

IN THE ABSTRACT:

Please amend the Abstract of the Disclosure as follows:

Compressive and tensile structural elements [are disclosed] having an enclosure with walls surrounding a cavity. A non-compressible material is disposed in the cavity. The walls are shaped such that a force tending to compress or elongate the element by a first deflection causes an amplified second deflection of the walls into the non-compressible material. The second deflection exerts a compressive force against the non-compressible material, resulting in a resistance to the first deflection and the force tending to compress or elongate the structural element. The walls of the elements are configured for optimum rigidity and/or optimum damping. Structural beams and motion impartation devices [utilizing] utilize the structural elements to provide lightweight rigidity and/or damping [are also disclosed]. [Another aspect of the present invention are methods of fabricating the structural beams.]